

Claims:

1. A clamping mechanism for securing a slideable member to a slide track, wherein the slide track has a channel with a restricted entrance opening and spaced apart side walls, which comprises
  - 5 (a) a pair of opposed clamping elements adapted to be received through said restricted entrance and having inner end portions engageable with said side walls,
  - (b) a support body for movably supporting said clamping plates with said inner end portions thereof exposed for reception in said slide track channel,
  - (c) a fulcrum element positioned between and engaging said opposed
  - 10 clamping elements closely adjacent the inner end portions thereof,
  - (d) outer portions of said clamping elements extending outward from said fulcrum element for a predetermined distance, and
  - (e) means for applying closing pressure to the outer portions of said clamping elements to forcibly urge the inner portions thereof outwardly against side wall
  - 15 portions of said slide track channel.
2. A clamping mechanism according to claim 1, wherein
  - (a) said fulcrum element includes first portions engaging said clamping elements and second portions supported in said support body,
  - 20 (b) said first portions being of non-circular shape and said second portions being of generally circular shape.

3. A clamping mechanism according to claim 2, wherein
- (a) said support body comprises a floor plate portion and a pair of spaced apart, outwardly extending side walls,
  - (b) said clamping plates being supported between said side walls and having
- 5 portions extending through and beyond said floor plate portion, and
- (c) the circular second portions of said fulcrum element being rotatably supported in said floor plate portion.
4. A clamping mechanism according to claim 3, wherein
- (a) a locking lever is pivotally mounted on said support body, in a position
- 10 generally outward of said clamping plates and being pivotable into a position contacting said clamping plates, and
- (b) said locking lever having surfaces engaging outer portions of said clamping plates for urging said outer portions in a closing direction upon pivoting
- 15 movements of said locking lever in a direction toward said clamping plates.
5. A clamping mechanism according to claim 1, wherein
- (a) said fulcrum element comprises a wider portion and a narrower portion, and
  - (b) said fulcrum element is rotatably mounted in said support body for
- 20 selectively positioning said wider or narrower portions between said clamping elements.

6. A mechanism for secure engagement of slideable elements in dovetail or similar tracks comprising
- (a) a pair of plate elements disposed in face-to-face relation;
  - (b) said plate elements having lower edges adapted to project outwardly at a predetermined angle to engage interior sidewalls of a slide track; and
  - (c) a means adapted to converge upper portions of said plate elements towards one another to forcibly urge said lower edges securely against the interior walls of a slide track.
7. A mechanism according to claim 6, wherein a spacer element is positioned between said plate elements at a predetermined distance adjacent to said lower edges.
8. A mechanism according to claim 7, wherein
- (a) said spacer element comprises a wider portion and a narrow portion, and
  - (b) said spacer element is rotatably mounted between said plate elements to facilitate installation and removal of said mechanism.
9. A mechanism according to claim 7, wherein a lever means is pivotally movable into a position to engage said upper portions and converge said upper portions.